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[www.alsglobal.com](http://www.alsglobal.com)

## LABORATORY REPORT

2015-10-29 2015

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st number P1504611.

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*Kate Aguilera*

*By Kate Aguilera at 10:33 am, Oct 30, 2015*

**Namenda**  
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TNER



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Simi Valley, CA 93065  
T: +1 805 526 7161  
F: +1 805 526 7270  
[www.alsglobal.com](http://www.alsglobal.com)

Client: CT Laboratories  
Project: Tower Motel

Service Request No: P1504611

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### CASE NARRATIVE

The samples were received intact under chain of custody on October 29, 2015 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

#### Volatile Organic Compound Analysis

The client supplied canister samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation, however it is not part of the AIHA-LAP accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The upper control criterion was exceeded for trans-1,3-Dichloropropene in the Continuing Calibration Verification (CCV) analyzed on October 29, 2015. Since the apparent problem equates to a potential high bias and the field samples analyzed in this sequence did not contain the analyte in question, the data quality has not been significantly affected. No corrective action was required.

The upper control criterion was exceeded for Bromomethane in the Laboratory Control Sample (LCS) analyzed on October 29, 2015. The analyte in question was not detected in the associated field samples. Since the error associated with the elevated recovery equates to a high bias, the sample data has not been significantly affected. The data has been flagged accordingly. No corrective action was required.

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*The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.*

*Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.*



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## ALS Environmental – Simi Valley

### CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
AIHA	<a href="http://www.aihaaccreditedlabs.org">http://www.aihaaccreditedlabs.org</a>	101661
Arizona DHS	<a href="http://www.azdhs.gov/lab/license/env.htm">http://www.azdhs.gov/lab/license/env.htm</a>	AZ0694
DoD ELAP	<a href="http://www.pjlabs.com/search-accredited-labs">http://www.pjlabs.com/search-accredited-labs</a>	L14-2-R1
Florida DOH (NELAP)	<a href="http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm">http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm</a>	E871020
Maine DHHS	<a href="http://www.maine.gov/dhhs/mecdc/environmentalhealth/water/dwp-services/labcert/labcert.htm">http://www.maine.gov/dhhs/mecdc/environmentalhealth/water/dwp-services/labcert/labcert.htm</a>	2014025
Minnesota DOH (NELAP)	<a href="http://www.health.state.mn.us/accreditation">http://www.health.state.mn.us/accreditation</a>	977273
New Jersey DEP (NELAP)	<a href="http://www.nj.gov/dep/oqa/">http://www.nj.gov/dep/oqa/</a>	CA009
New York DOH (NELAP)	<a href="http://www.wadsworth.org/labcert/elap/elap.html">http://www.wadsworth.org/labcert/elap/elap.html</a>	11221
Oregon PHD (NELAP)	<a href="http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx">http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx</a>	4068-001
Pennsylvania DEP	<a href="http://www.depweb.state.pa.us/labs">http://www.depweb.state.pa.us/labs</a>	68-03307 (Registration)
Texas CEQ (NELAP)	<a href="http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html">http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html</a>	T104704413-15-6
Utah DOH (NELAP)	<a href="http://www.health.utah.gov/lab/labimp/certification/index.html">http://www.health.utah.gov/lab/labimp/certification/index.html</a>	CA01627201-5-5
Washington DOE	<a href="http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html">http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html</a>	C946
Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at <a href="http://www.alsglobal.com">www.alsglobal.com</a> , or at the accreditation body's website.		
Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.		

RIGHT SOLUTIONS | RIGHT PARTNER

**ALS ENVIRONMENTAL****DETAIL SUMMARY REPORT**

Client: CT Laboratories  
Project ID: Tower Motel

Service Request: P1504611

Date Received: 10/29/2015  
Time Received: 09:30

TO-15 - VOC Cans

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Pi1 (psig)	Pf1 (psig)	
E Crawl Space	P1504611-001	Air	10/27/2015	14:41	-0.25	3.58	X
W Crawl Space	P1504611-002	Air	10/27/2015	14:25	-0.39	4.68	X



## Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A  
Simi Valley, California 93065  
Phone (805) 526-7161  
Fax (805) 526-7270

ASAP

Company Name & Address (Reporting Information)		Project Name		Analysis Method/Analytes		Comments e.g. Actual Preservative or specific instructions				
Project Manager	Phone	P.O. # / Billing Information	Project Number	TOWER MOTEL						
Robert Kondrack	312.201.7479	C-T LABORATORIES 1230 LANGE CT BENSON, NC 53913		Vanessa Wallen	See Date	1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day Standard CAS Contact:				
Email Address for Result Reporting		Client Sample ID		Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller (Bar code # - FC#)	Sample Volume	
		①	②	①	10/27/15	1441	Δ12	6L	-19→0 GRAB Sample	
		②	③	②	10/27/15	1425	Δ12	6L	-21→0 GRAB Sample	
Report Tier Levels - please select Tier I (Results if not specified) Tier II (Results & QC) <input checked="" type="checkbox"/> Tier III (Data Validation Package) 10% Surcharge Tier V (client specified)										
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Date:		Time:	EDD required <input checked="" type="checkbox"/> Yes / No	
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Date:		Time:	Type: <u>3</u> EDD Units: <u>u/m<sup>3</sup></u>	
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Date:		Time:	Project Requirements (MRLs, QAPP)	

**ALS Environmental**  
**Sample Acceptance Check Form**

Client: CT Laboratories

Work order: P1504611

Project: Tower Motel

Sample(s) received on: 10/29/15

Date opened: 10/29/15

by: KKELPE

**Note:** This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

<b>Yes</b>	<b>No</b>	<b>N/A</b>
------------	-----------	------------

- 1 Were **sample containers** properly marked with client sample ID?
- 2 Did **sample containers** arrive in good condition?
- 3 Were **chain-of-custody** papers used and filled out?
- 4 Did **sample container labels** and/or tags agree with custody papers?
- 5 Was **sample volume** received adequate for analysis?
- 6 Are samples within specified holding times?
- 7 Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?
  
- 8 Were **custody seals** on outside of cooler/Box/Container?  
Location of seal(s)? sealing outside box and inside box Sealing Lid?     
Were signature and date included?     
Were seals intact?
- 9 Do containers have appropriate **preservation**, according to method/SOP or Client specified information?     
Is there a client indication that the submitted samples are **pH** preserved?     
Were **VOA vials** checked for presence/absence of air bubbles?     
Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?
- 10 **Tubes:** Are the tubes capped and intact?
- 11 **Badges:** Are the badges properly capped and intact?     
Are dual bed badges separated and individually capped and intact?

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1504611-001.01	Canister					
P1504611-002.01	Canister					

Explain any discrepancies: (include lab sample ID numbers): \_\_\_\_\_

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 3

**Client:** CT Laboratories

**Client Sample ID:** E Crawl Space

**Client Project ID:** Tower Motel

ALS Project ID: P1504611

ALS Sample ID: P1504611-001

Test Code: EPA TO-15

Date Collected: 10/27/15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 10/29/15

Analyst: Wida Ang

Date Analyzed: 10/29/15

Sample Type: Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Initial Pressure (psig): -0.25      Final Pressure (psig): 3.58

Canister Dilution Factor: 1.27

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	ND	0.64	ND	0.37	
75-71-8	Dichlorodifluoromethane(CFC 12)	<b>2.4</b>	0.64	<b>0.48</b>	0.13	
74-87-3	Chloromethane	ND	0.64	ND	0.31	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.64	ND	0.091	
75-01-4	Vinyl Chloride	ND	0.64	ND	0.25	
106-99-0	1,3-Butadiene	ND	0.64	ND	0.29	
74-83-9	Bromomethane	ND	0.64	ND	0.16	L
75-00-3	Chloroethane	ND	0.64	ND	0.24	
64-17-5	Ethanol	<b>69</b>	6.4	<b>37</b>	3.4	
75-05-8	Acetonitrile	ND	0.64	ND	0.38	
107-02-8	Acrolein	ND	2.5	ND	1.1	
67-64-1	Acetone	<b>16</b>	6.4	<b>6.9</b>	2.7	
75-69-4	Trichlorofluoromethane	<b>1.1</b>	0.64	<b>0.20</b>	0.11	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	6.4	ND	2.6	
107-13-1	Acrylonitrile	ND	0.64	ND	0.29	
75-35-4	1,1-Dichloroethene	ND	0.64	ND	0.16	
75-09-2	Methylene Chloride	ND	0.64	ND	0.18	
107-05-1	3-Chloro-1-propene(Allyl Chloride)	ND	0.64	ND	0.20	
76-13-1	Trichlorotrifluoroethane	ND	0.64	ND	0.083	
75-15-0	Carbon Disulfide	ND	6.4	ND	2.0	
156-60-5	trans-1,2-Dichloroethene	ND	0.64	ND	0.16	
75-34-3	1,1-Dichloroethane	ND	0.64	ND	0.16	
1634-04-4	Methyl tert-Butyl Ether	ND	0.64	ND	0.18	
108-05-4	Vinyl Acetate	ND	6.4	ND	1.8	
78-93-3	2-Butanone (MEK)	ND	6.4	ND	2.2	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

L = Laboratory control sample recovery outside the specified limits, results may be biased high.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 2 of 3

**Client:** CT Laboratories

**Client Sample ID:** E Crawl Space

**Client Project ID:** Tower Motel

ALS Project ID: P1504611

ALS Sample ID: P1504611-001

Test Code: EPA TO-15

Date Collected: 10/27/15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 10/29/15

Analyst: Wida Ang

Date Analyzed: 10/29/15

Sample Type: Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Initial Pressure (psig): -0.25      Final Pressure (psig): 3.58

Canister Dilution Factor: 1.27

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	0.64	ND	0.16	
141-78-6	Ethyl Acetate	ND	1.3	ND	0.35	
110-54-3	n-Hexane	ND	0.64	ND	0.18	
67-66-3	Chloroform	ND	0.64	ND	0.13	
109-99-9	Tetrahydrofuran (THF)	ND	0.64	ND	0.22	
107-06-2	1,2-Dichloroethane	ND	0.64	ND	0.16	
71-55-6	1,1,1-Trichloroethane	ND	0.64	ND	0.12	
71-43-2	Benzene	ND	0.64	ND	0.20	
56-23-5	Carbon Tetrachloride	ND	0.64	ND	0.10	
110-82-7	Cyclohexane	ND	1.3	ND	0.37	
78-87-5	1,2-Dichloropropane	ND	0.64	ND	0.14	
75-27-4	Bromodichloromethane	ND	0.64	ND	0.095	
79-01-6	Trichloroethene	ND	0.64	ND	0.12	
123-91-1	1,4-Dioxane	ND	0.64	ND	0.18	
80-62-6	Methyl Methacrylate	ND	1.3	ND	0.31	
142-82-5	n-Heptane	ND	0.64	ND	0.16	
10061-01-5	cis-1,3-Dichloropropene	ND	0.64	ND	0.14	
108-10-1	4-Methyl-2-pentanone	ND	0.64	ND	0.16	
10061-02-6	trans-1,3-Dichloropropene	ND	0.64	ND	0.14	
79-00-5	1,1,2-Trichloroethane	ND	0.64	ND	0.12	
108-88-3	Toluene	<b>0.71</b>	0.64	<b>0.19</b>	0.17	
591-78-6	2-Hexanone	ND	0.64	ND	0.16	
124-48-1	Dibromochloromethane	ND	0.64	ND	0.075	
106-93-4	1,2-Dibromoethane	ND	0.64	ND	0.083	
123-86-4	n-Butyl Acetate	ND	0.64	ND	0.13	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 3 of 3

**Client:** CT Laboratories

**Client Sample ID:** E Crawl Space

**Client Project ID:** Tower Motel

ALS Project ID: P1504611

ALS Sample ID: P1504611-001

Test Code: EPA TO-15

Date Collected: 10/27/15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 10/29/15

Analyst: Wida Ang

Date Analyzed: 10/29/15

Sample Type: Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Initial Pressure (psig): -0.25      Final Pressure (psig): 3.58

Canister Dilution Factor: 1.27

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	0.64	ND	0.14	
127-18-4	Tetrachloroethene	ND	0.64	ND	0.094	
108-90-7	Chlorobenzene	ND	0.64	ND	0.14	
100-41-4	Ethylbenzene	ND	0.64	ND	0.15	
179601-23-1	m,p-Xylenes	ND	1.3	ND	0.29	
75-25-2	Bromoform	ND	0.64	ND	0.061	
100-42-5	Styrene	ND	0.64	ND	0.15	
95-47-6	o-Xylene	ND	0.64	ND	0.15	
111-84-2	n-Nonane	ND	0.64	ND	0.12	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.64	ND	0.093	
98-82-8	Cumene	ND	0.64	ND	0.13	
80-56-8	alpha-Pinene	ND	0.64	ND	0.11	
103-65-1	n-Propylbenzene	ND	0.64	ND	0.13	
622-96-8	4-Ethyltoluene	ND	0.64	ND	0.13	
108-67-8	1,3,5-Trimethylbenzene	ND	0.64	ND	0.13	
95-63-6	1,2,4-Trimethylbenzene	ND	0.64	ND	0.13	
100-44-7	Benzyl Chloride	ND	0.64	ND	0.12	
541-73-1	1,3-Dichlorobenzene	ND	0.64	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	0.64	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	0.64	ND	0.11	
5989-27-5	d-Limonene	1.5	0.64	0.27	0.11	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.64	ND	0.066	
120-82-1	1,2,4-Trichlorobenzene	ND	0.64	ND	0.086	
91-20-3	Naphthalene	ND	0.64	ND	0.12	
87-68-3	Hexachlorobutadiene	ND	0.64	ND	0.060	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 3

**Client:** CT Laboratories

**Client Sample ID:** W Crawl Space

**Client Project ID:** Tower Motel

ALS Project ID: P1504611

ALS Sample ID: P1504611-002

Test Code: EPA TO-15

Date Collected: 10/27/15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 10/29/15

Analyst: Wida Ang

Date Analyzed: 10/29/15

Sample Type: Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Initial Pressure (psig): -0.39      Final Pressure (psig): 4.68

Canister Dilution Factor: 1.35

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	4.7	0.68	2.8	0.39	
75-71-8	Dichlorodifluoromethane(CFC 12)	2.2	0.68	0.45	0.14	
74-87-3	Chloromethane	ND	0.68	ND	0.33	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.68	ND	0.097	
75-01-4	Vinyl Chloride	ND	0.68	ND	0.26	
106-99-0	1,3-Butadiene	0.99	0.68	0.45	0.31	
74-83-9	Bromomethane	ND	0.68	ND	0.17	L
75-00-3	Chloroethane	ND	0.68	ND	0.26	
64-17-5	Ethanol	270	6.8	140	3.6	
75-05-8	Acetonitrile	0.90	0.68	0.53	0.40	
107-02-8	Acrolein	ND	2.7	ND	1.2	
67-64-1	Acetone	18	6.8	7.7	2.8	
75-69-4	Trichlorofluoromethane	1.2	0.68	0.21	0.12	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	6.8	ND	2.7	
107-13-1	Acrylonitrile	ND	0.68	ND	0.31	
75-35-4	1,1-Dichloroethene	ND	0.68	ND	0.17	
75-09-2	Methylene Chloride	ND	0.68	ND	0.19	
107-05-1	3-Chloro-1-propene(Allyl Chloride)	ND	0.68	ND	0.22	
76-13-1	Trichlorotrifluoroethane	ND	0.68	ND	0.088	
75-15-0	Carbon Disulfide	ND	6.8	ND	2.2	
156-60-5	trans-1,2-Dichloroethene	ND	0.68	ND	0.17	
75-34-3	1,1-Dichloroethane	ND	0.68	ND	0.17	
1634-04-4	Methyl tert-Butyl Ether	ND	0.68	ND	0.19	
108-05-4	Vinyl Acetate	ND	6.8	ND	1.9	
78-93-3	2-Butanone (MEK)	ND	6.8	ND	2.3	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

L = Laboratory control sample recovery outside the specified limits, results may be biased high.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 2 of 3

**Client:** CT Laboratories

**Client Sample ID:** W Crawl Space

**Client Project ID:** Tower Motel

ALS Project ID: P1504611

ALS Sample ID: P1504611-002

Test Code: EPA TO-15

Date Collected: 10/27/15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 10/29/15

Analyst: Wida Ang

Date Analyzed: 10/29/15

Sample Type: Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Initial Pressure (psig): -0.39      Final Pressure (psig): 4.68

Canister Dilution Factor: 1.35

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	0.68	ND	0.17	
141-78-6	Ethyl Acetate	<b>4.4</b>	1.4	<b>1.2</b>	0.37	
110-54-3	n-Hexane	ND	0.68	ND	0.19	
67-66-3	Chloroform	ND	0.68	ND	0.14	
109-99-9	Tetrahydrofuran (THF)	<b>0.95</b>	0.68	<b>0.32</b>	0.23	
107-06-2	1,2-Dichloroethane	ND	0.68	ND	0.17	
71-55-6	1,1,1-Trichloroethane	ND	0.68	ND	0.12	
71-43-2	Benzene	<b>0.68</b>	0.68	<b>0.21</b>	0.21	
56-23-5	Carbon Tetrachloride	ND	0.68	ND	0.11	
110-82-7	Cyclohexane	ND	1.4	ND	0.39	
78-87-5	1,2-Dichloropropane	ND	0.68	ND	0.15	
75-27-4	Bromodichloromethane	ND	0.68	ND	0.10	
79-01-6	Trichloroethene	ND	0.68	ND	0.13	
123-91-1	1,4-Dioxane	ND	0.68	ND	0.19	
80-62-6	Methyl Methacrylate	ND	1.4	ND	0.33	
142-82-5	n-Heptane	ND	0.68	ND	0.16	
10061-01-5	cis-1,3-Dichloropropene	ND	0.68	ND	0.15	
108-10-1	4-Methyl-2-pentanone	ND	0.68	ND	0.16	
10061-02-6	trans-1,3-Dichloropropene	ND	0.68	ND	0.15	
79-00-5	1,1,2-Trichloroethane	ND	0.68	ND	0.12	
108-88-3	Toluene	<b>2.6</b>	0.68	<b>0.69</b>	0.18	
591-78-6	2-Hexanone	ND	0.68	ND	0.16	
124-48-1	Dibromochloromethane	ND	0.68	ND	0.079	
106-93-4	1,2-Dibromoethane	ND	0.68	ND	0.088	
123-86-4	n-Butyl Acetate	<b>0.87</b>	0.68	<b>0.18</b>	0.14	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** CT Laboratories

**Client Sample ID:** W Crawl Space

**Client Project ID:** Tower Motel

ALS Project ID: P1504611

ALS Sample ID: P1504611-002

Test Code: EPA TO-15

Date Collected: 10/27/15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 10/29/15

Analyst: Wida Ang

Date Analyzed: 10/29/15

Sample Type: Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Initial Pressure (psig): -0.39      Final Pressure (psig): 4.68

Canister Dilution Factor: 1.35

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	0.68	ND	0.14	
127-18-4	Tetrachloroethene	ND	0.68	ND	0.10	
108-90-7	Chlorobenzene	ND	0.68	ND	0.15	
100-41-4	Ethylbenzene	ND	0.68	ND	0.16	
179601-23-1	m,p-Xylenes	<b>1.6</b>	1.4	<b>0.36</b>	0.31	
75-25-2	Bromoform	ND	0.68	ND	0.065	
100-42-5	Styrene	ND	0.68	ND	0.16	
95-47-6	o-Xylene	ND	0.68	ND	0.16	
111-84-2	n-Nonane	ND	0.68	ND	0.13	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.68	ND	0.098	
98-82-8	Cumene	ND	0.68	ND	0.14	
80-56-8	alpha-Pinene	<b>0.98</b>	0.68	<b>0.18</b>	0.12	
103-65-1	n-Propylbenzene	ND	0.68	ND	0.14	
622-96-8	4-Ethyltoluene	ND	0.68	ND	0.14	
108-67-8	1,3,5-Trimethylbenzene	ND	0.68	ND	0.14	
95-63-6	1,2,4-Trimethylbenzene	ND	0.68	ND	0.14	
100-44-7	Benzyl Chloride	ND	0.68	ND	0.13	
541-73-1	1,3-Dichlorobenzene	ND	0.68	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	0.68	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	0.68	ND	0.11	
5989-27-5	d-Limonene	<b>12</b>	0.68	<b>2.2</b>	0.12	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.68	ND	0.070	
120-82-1	1,2,4-Trichlorobenzene	ND	0.68	ND	0.091	
91-20-3	Naphthalene	ND	0.68	ND	0.13	
87-68-3	Hexachlorobutadiene	ND	0.68	ND	0.063	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 3

**Client:** CT Laboratories

**Client Sample ID:** Method Blank

**Client Project ID:** Tower Motel

ALS Project ID: P1504611

ALS Sample ID: P151028-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: NA

Analyst: Wida Ang

Date Analyzed: 10/28/15

Sample Type: Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	ND	0.50	ND	0.29	
75-71-8	Dichlorodifluoromethane(CFC 12)	ND	0.50	ND	0.10	
74-87-3	Chloromethane	ND	0.50	ND	0.24	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.50	ND	0.072	
75-01-4	Vinyl Chloride	ND	0.50	ND	0.20	
106-99-0	1,3-Butadiene	ND	0.50	ND	0.23	
74-83-9	Bromomethane	ND	0.50	ND	0.13	L
75-00-3	Chloroethane	ND	0.50	ND	0.19	
64-17-5	Ethanol	ND	5.0	ND	2.7	
75-05-8	Acetonitrile	ND	0.50	ND	0.30	
107-02-8	Acrolein	ND	2.0	ND	0.87	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	0.50	ND	0.089	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	5.0	ND	2.0	
107-13-1	Acrylonitrile	ND	0.50	ND	0.23	
75-35-4	1,1-Dichloroethene	ND	0.50	ND	0.13	
75-09-2	Methylene Chloride	ND	0.50	ND	0.14	
107-05-1	3-Chloro-1-propene(Allyl Chloride)	ND	0.50	ND	0.16	
76-13-1	Trichlorotrifluoroethane	ND	0.50	ND	0.065	
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6	
156-60-5	trans-1,2-Dichloroethene	ND	0.50	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.50	ND	0.12	
1634-04-4	Methyl tert-Butyl Ether	ND	0.50	ND	0.14	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	5.0	ND	1.7	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

L = Laboratory control sample recovery outside the specified limits, results may be biased high.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 2 of 3

**Client:** CT Laboratories

**Client Sample ID:** Method Blank

**Client Project ID:** Tower Motel

ALS Project ID: P1504611

ALS Sample ID: P151028-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: NA

Analyst: Wida Ang

Date Analyzed: 10/28/15

Sample Type: Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	0.50	ND	0.13	
141-78-6	Ethyl Acetate	ND	1.0	ND	0.28	
110-54-3	n-Hexane	ND	0.50	ND	0.14	
67-66-3	Chloroform	ND	0.50	ND	0.10	
109-99-9	Tetrahydrofuran (THF)	ND	0.50	ND	0.17	
107-06-2	1,2-Dichloroethane	ND	0.50	ND	0.12	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ND	0.092	
71-43-2	Benzene	ND	0.50	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	0.50	ND	0.080	
110-82-7	Cyclohexane	ND	1.0	ND	0.29	
78-87-5	1,2-Dichloropropane	ND	0.50	ND	0.11	
75-27-4	Bromodichloromethane	ND	0.50	ND	0.075	
79-01-6	Trichloroethene	ND	0.50	ND	0.093	
123-91-1	1,4-Dioxane	ND	0.50	ND	0.14	
80-62-6	Methyl Methacrylate	ND	1.0	ND	0.24	
142-82-5	n-Heptane	ND	0.50	ND	0.12	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ND	0.11	
108-10-1	4-Methyl-2-pentanone	ND	0.50	ND	0.12	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ND	0.092	
108-88-3	Toluene	ND	0.50	ND	0.13	
591-78-6	2-Hexanone	ND	0.50	ND	0.12	
124-48-1	Dibromochloromethane	ND	0.50	ND	0.059	
106-93-4	1,2-Dibromoethane	ND	0.50	ND	0.065	
123-86-4	n-Butyl Acetate	ND	0.50	ND	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 3 of 3

**Client:** CT Laboratories

**Client Sample ID:** Method Blank

**Client Project ID:** Tower Motel

ALS Project ID: P1504611

ALS Sample ID: P151028-MB

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Analyst: Wida Ang

Sample Type: Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 10/28/15

Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	0.50	ND	0.11	
127-18-4	Tetrachloroethene	ND	0.50	ND	0.074	
108-90-7	Chlorobenzene	ND	0.50	ND	0.11	
100-41-4	Ethylbenzene	ND	0.50	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	0.50	ND	0.048	
100-42-5	Styrene	ND	0.50	ND	0.12	
95-47-6	o-Xylene	ND	0.50	ND	0.12	
111-84-2	n-Nonane	ND	0.50	ND	0.095	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ND	0.073	
98-82-8	Cumene	ND	0.50	ND	0.10	
80-56-8	alpha-Pinene	ND	0.50	ND	0.090	
103-65-1	n-Propylbenzene	ND	0.50	ND	0.10	
622-96-8	4-Ethyltoluene	ND	0.50	ND	0.10	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ND	0.10	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ND	0.10	
100-44-7	Benzyl Chloride	ND	0.50	ND	0.097	
541-73-1	1,3-Dichlorobenzene	ND	0.50	ND	0.083	
106-46-7	1,4-Dichlorobenzene	ND	0.50	ND	0.083	
95-50-1	1,2-Dichlorobenzene	ND	0.50	ND	0.083	
5989-27-5	d-Limonene	ND	0.50	ND	0.090	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ND	0.052	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ND	0.067	
91-20-3	Naphthalene	ND	0.50	ND	0.095	
87-68-3	Hexachlorobutadiene	ND	0.50	ND	0.047	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

**Client:** CT Laboratories  
**Client Project ID:** Tower Motel

ALS Project ID: P1504611

Test Code: EPA TO-15  
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8  
Analyst: Wida Ang  
Sample Type: Canister(s)  
Test Notes:

Date(s) Collected: 10/27/15  
Date(s) Received: 10/29/15  
Date(s) Analyzed: 10/28 - 10/29/15

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4	Toluene-d8	Bromofluorobenzene	Acceptance Limits	Data Qualifier
		Percent Recovered	Percent Recovered	Percent Recovered		
Method Blank	P151028-MB	114	101	89	70-130	
Lab Control Sample	P151028-LCS	117	101	92	70-130	
E Crawl Space	P1504611-001	107	94	91	70-130	
W Crawl Space	P1504611-002	108	101	91	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

# ALS ENVIRONMENTAL

## LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 3

**Client:** CT Laboratories  
**Client Sample ID:** Lab Control Sample  
**Client Project ID:** Tower Motel

ALS Project ID: P1504611  
 ALS Sample ID: P151028-LCS

Test Code:	EPA TO-15	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	NA
Analyst:	Wida Ang	Date Analyzed:	10/28/15
Sample Type:	Canister	Volume(s) Analyzed:	0.125 Liter(s)
Test Notes:			

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
115-07-1	Propene	196	220	112	49-131	
75-71-8	Dichlorodifluoromethane(CFC 12)	188	204	109	65-117	
74-87-3	Chloromethane	200	220	110	48-132	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	204	235	115	65-122	
75-01-4	Vinyl Chloride	200	255	128	65-128	
106-99-0	1,3-Butadiene	206	268	130	62-143	
74-83-9	Bromomethane	202	277	137	65-130	L
75-00-3	Chloroethane	200	209	105	69-126	
64-17-5	Ethanol	998	1050	105	57-126	
75-05-8	Acetonitrile	212	204	96	51-134	
107-02-8	Acrolein	214	200	93	55-146	
67-64-1	Acetone	1,080	1140	106	57-120	
75-69-4	Trichlorofluoromethane	216	216	100	59-139	
67-63-0	2-Propanol (Isopropyl Alcohol)	418	480	115	59-129	
107-13-1	Acrylonitrile	212	225	106	64-136	
75-35-4	1,1-Dichloroethene	216	216	100	72-123	
75-09-2	Methylene Chloride	222	203	91	63-117	
107-05-1	3-Chloro-1-propene(Allyl Chloride)	218	210	96	50-141	
76-13-1	Trichlorotrifluoroethane	220	202	92	68-118	
75-15-0	Carbon Disulfide	210	169	80	55-143	
156-60-5	trans-1,2-Dichloroethene	210	200	95	69-129	
75-34-3	1,1-Dichloroethane	212	190	90	66-122	
1634-04-4	Methyl tert-Butyl Ether	216	207	96	55-128	
108-05-4	Vinyl Acetate	1,040	1220	117	66-140	
78-93-3	2-Butanone (MEK)	220	205	93	62-127	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

L = Laboratory control sample recovery outside the specified limits, results may be biased high.

# ALS ENVIRONMENTAL

## LABORATORY CONTROL SAMPLE SUMMARY

Page 2 of 3

**Client:** CT Laboratories  
**Client Sample ID:** Lab Control Sample  
**Client Project ID:** Tower Motel

ALS Project ID: P1504611  
 ALS Sample ID: P151028-LCS

Test Code:	EPA TO-15	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	NA
Analyst:	Wida Ang	Date Analyzed:	10/28/15
Sample Type:	Canister	Volume(s) Analyzed:	0.125 Liter(s)
Test Notes:			

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	218	207	95	65-125	
141-78-6	Ethyl Acetate	428	407	95	64-132	
110-54-3	n-Hexane	212	197	93	58-126	
67-66-3	Chloroform	224	211	94	68-117	
109-99-9	Tetrahydrofuran (THF)	220	216	98	64-123	
107-06-2	1,2-Dichloroethane	214	240	112	63-124	
71-55-6	1,1,1-Trichloroethane	210	193	92	68-120	
71-43-2	Benzene	226	206	91	61-110	
56-23-5	Carbon Tetrachloride	230	214	93	65-137	
110-82-7	Cyclohexane	424	401	95	68-122	
78-87-5	1,2-Dichloropropane	216	198	92	67-122	
75-27-4	Bromodichloromethane	218	213	98	71-124	
79-01-6	Trichloroethene	216	185	86	71-121	
123-91-1	1,4-Dioxane	210	214	102	67-122	
80-62-6	Methyl Methacrylate	422	434	103	76-130	
142-82-5	n-Heptane	216	203	94	67-125	
10061-01-5	cis-1,3-Dichloropropene	208	209	100	73-131	
108-10-1	4-Methyl-2-pentanone	220	221	100	66-132	
10061-02-6	trans-1,3-Dichloropropene	210	250	119	76-135	
79-00-5	1,1,2-Trichloroethane	216	210	97	73-121	
108-88-3	Toluene	218	215	99	67-117	
591-78-6	2-Hexanone	220	234	106	59-128	
124-48-1	Dibromochloromethane	220	221	100	73-132	
106-93-4	1,2-Dibromoethane	218	215	99	73-128	
123-86-4	n-Butyl Acetate	226	228	101	61-136	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.  
 Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

# ALS ENVIRONMENTAL

## LABORATORY CONTROL SAMPLE SUMMARY

Page 3 of 3

**Client:** CT Laboratories  
**Client Sample ID:** Lab Control Sample  
**Client Project ID:** Tower Motel

ALS Project ID: P1504611  
 ALS Sample ID: P151028-LCS

Test Code:	EPA TO-15	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	NA
Analyst:	Wida Ang	Date Analyzed:	10/28/15
Sample Type:	Canister	Volume(s) Analyzed:	0.125 Liter(s)
Test Notes:			

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
111-65-9	n-Octane	210	201	96	67-124	
127-18-4	Tetrachloroethene	202	182	90	65-126	
108-90-7	Chlorobenzene	220	196	89	68-120	
100-41-4	Ethylbenzene	218	201	92	69-123	
179601-23-1	m,p-Xylenes	428	394	92	67-125	
75-25-2	Bromoform	228	214	94	68-153	
100-42-5	Styrene	222	215	97	68-132	
95-47-6	o-Xylene	210	193	92	67-124	
111-84-2	n-Nonane	204	191	94	60-130	
79-34-5	1,1,2,2-Tetrachloroethane	210	199	95	72-128	
98-82-8	Cumene	208	187	90	67-124	
80-56-8	alpha-Pinene	212	199	94	67-129	
103-65-1	n-Propylbenzene	204	180	88	67-125	
622-96-8	4-Ethyltoluene	214	197	92	66-128	
108-67-8	1,3,5-Trimethylbenzene	214	198	93	65-125	
95-63-6	1,2,4-Trimethylbenzene	218	196	90	62-134	
100-44-7	Benzyl Chloride	220	304	138	74-145	
541-73-1	1,3-Dichlorobenzene	228	203	89	63-133	
106-46-7	1,4-Dichlorobenzene	208	194	93	62-129	
95-50-1	1,2-Dichlorobenzene	220	190	86	62-134	
5989-27-5	d-Limonene	210	203	97	66-137	
96-12-8	1,2-Dibromo-3-chloropropane	218	234	107	71-147	
120-82-1	1,2,4-Trichlorobenzene	230	207	90	60-145	
91-20-3	Naphthalene	218	201	92	56-158	
87-68-3	Hexachlorobutadiene	230	196	85	56-139	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.  
 Reported results are shown in concentration units and as a result of the calculation, may vary slightly.